Docket No.: MUH-12777

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant

GEORG SCHMIDT ET AL.

Filed

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CONCURRENTLY HEREWITH

Title

SEMICONDUCTOR ELEMENT HAVING A SEMI-MAGNETIC

CONTACT

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. 1.98 copies of the following patents and/or publications are submitted herewith:

PCT WO 98/25263 (Lenssen), dated June 11, 1998;

Schmidt, G. et al.: "Spin Injection Into Semiconductors, Physics and Experiments", Institute of Physics Publishing, Semicond. Sci. Technol., IOP Publishing Ltd, Vol. 17, April 2002, pp. 310-321;

Daughton, J. M. et al.: "Applications of Spin Dependent Transport Materials", J. Phys. D: Appl. Phys., IOP Publishing Ltd, Vol. 32, November 21, 1999, pp. R169-R177:

Datta, S. et al.: "Electronic Analog of the Electro-Optic Modulator", Applied Physics Letters, Vol. 56, No. 7, February 12, 1990, pp. 665-667;

Oestreich, M. et al.: "Spin Injection Into Semiconductors", Applied Physics Letters, American Institute of Physics, Vol. 74, No. 9, March 1, 1999, pp. 1251-1253;

Fiederling, R. et al.: "Injection and Detection of a Spin-Polarized Current in a Light-Emitting Diode", Nature, www.nature.com, Vol. 402, December 16, 1999, pp. 787-790;

Oestreich, M.: "Injecting Spin Into Electronics", Nature, <u>www.nature.com</u>, Macmillan Magazines Ltd, Vol. 402, December 16, 1999, pp. 735-737;

International Search Report, dated September 10, 2002.

If no translation of pertinent portions of any foreign language patents or publications mentioned above is included with the aforementioned copies of those applications, patents and/or publications, it is because no existing translation is readily available to the applicant.

Respectfully submitted,

For Applicants

Date: September 22, 2003

Lerner and Greenberg, P.A. Post Office Box 2480 Hollywood, FL 33022-2480

Tel: (954) 925-1100 Fax: (954) 925-1101

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LAURENCE A. GREENBERG REG. NO. 29.308

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (37 CFR 1.98(b))			Attorney Docket No.: MUH-12777 Appl. No.: Applicant: GEORG SCHMIDT ET AL. Filing Date: September 22, 2003 Group Art Unit:					
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)								
		Schmidt, G. et al.: "Spin Injection Into Semiconductors, Physics and Experiments", Institute of Physics Publishing, Semicond. Sci. Technol., IOP Publishing Ltd, Vol. 17, April 2002, pp. 310-321						
		Daughton, J. M. et al.: "Applications of Spin Dependent Transport Materials", J. Phys. D: Appl. Phys., IOP Publishing Ltd, Vol. 32, November 21, 1999, pp. R169-R177						
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FORM PTO-1449 (SUBSTITUTE) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (37 CFR 1.98(b))			Attorney Docket No.: MUH-12777 Appl. No.: Applicant: GEORG SCHMIDT ET AL. Filing Date: September 22, 2003 Group Art Unit:						
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		Datta, S. et al.: "Electronic Analog of the Electro-Optic Modulator", Applied Physics Letters, Vol. 56, No. 7, February 12, 1990, pp. 665-667							
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		Fiederling, R. et al.: "Injection and Detection of a Spin-Polarized Current in a Light-Emitting Diode", Nature, www.nature.com , Vol. 402, December 16, 1999, pp. 787-790						
		Oestreich, M.: "Injecting Spin Into Electronics", Nature, <u>www.nature.com</u> , Macmillan Magazines Ltd, Vol. 402, December 16, 1999, pp. 735-737						
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